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## Bibliographic data: JP 11060847 (A)

### IMPACT MODIFIER FOR THERMOPLASTIC POLYOLEFIN RESIN

**Publication date:** 1999-03-05

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**Classification:**

- international: **C08L23/00; C08L23/05; C08L23/10; C08L23/16; C08L23/18;**  
(IPC1-7): C08L23/00; C08L23/00; C08L23/08; C08L23/08;  
C08L23/16; C08L23/16; C08L23/18; C08L23/18
- European: C08L23/08A1; C08L23/18; C08L23/18

**Application number:** JP19980181479 19980612

**Priority number (s):** EP19970109563 19970612

**Also published as:**

- JP 4119532 (B2)
- EP 0884353 (A1)
- EP 0884353 (B1)
- DE 69716717 (T2)
- BR 9606619 (A)

### Abstract of JP 11060847 (A)

**PROBLEM TO BE SOLVED:** To obtain an impact modifier which is the most suitable for imparting impact resistance by mixing an ethylene/propylene random copolymer with a low-density or very low-density random copolymer of ethylene with an  $\alpha$ -olefin having the specified number of carbon atoms in a specified ratio. **SOLUTION:** The ethylene/propylene random copolymer (A) used has a density of 0.850-0.900 g/cm<sup>3</sup> and contains a nonconjugated diene containing 5-20 carbon atoms. The ethylene/4-20C  $\alpha$ -olefin random copolymer (B) used has a density of 0.860-0.925 g/cm<sup>3</sup> and a melt flow index of 0.2-30 dg/min and contains 5 wt.% 4-20C  $\alpha$ -olefin (e.g. 1-butene) and a nonconjugated diene containing 5-20 carbon atoms. The mixing ratio A/B is (5-85) wt.%(/95-5 wt.%). The modifier is added in an amount of 4-60 wt.% based on a polypropylene composition containing selective additives.

Last updated: 26/04/2011 Worldwide Database 5,720,92p